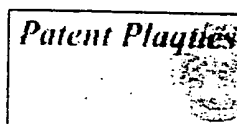
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JP9239276A: EXHAUST GAS CLEANING CATALYST

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Country: JP Japan

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Issued/Filed Dates: Sept. 16, 1997 / March 5, 1996

Application Number: JP1996000047391

IPC Class: **B01J 029/06;**

Abstract: **Problem to be solved:** To obtain a catalyst capable of selectively reducing NOx for cleaning to N2 at a high conversion rate even in the presence of a vapor by mixing a zeolite powder bearing tin with a manganese oxide powder.

Solution: An exhaust gas cleaning catalyst which is useful when a reducing agent is injected into an exhaust gas to clean NOx by reduction, is prepared by mixing a zeolite powder bearing Sn with Mn2O3 powder. In this case, zeolite is crystalline aluminosilicate expressed by the formula $xM2/n \cdot Al2O3 \cdot ySiO2$ as is well-known, and should preferably have SiO2/Al2O3 molar ratio of 10-200. In addition, the surface pore of the zeolite should be small enough to not allow the penetration of a polycyclic aromatic hydrocarbon compound, measuring 10Å or less. Thus, coke is hardly generated, and the structure breakdown and the catalytic activity deterioration by the blocking of pores are prevented from occurring.

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Foreign References: none

(No patents reference this one)



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